Proposed Maximum Residue Limit PMRL2008-44

Cyromazine

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of new uses on leafy vegetables except *Brassica* (Crop Group 4) and leafy *Brassica* greens (Crop Subgroup 5B) to the product label of Citation 75 WP Insecticide, containing technical grade cyromazine, is acceptable. See Appendix I for a list of crop group and subgroup commodities. The specific uses approved in Canada are detailed on the label of Citation 75 WP Insecticide, *Pest Control Products Act* Registration Number 24465.

The evaluation of this cyromazine application indicated that the end-use product has merit and value and that the human health and environmental risks associated with the new uses are acceptable. Details regarding the registration can be found in the corresponding Evaluation Report that is available on the PMRA website, under Public Registry, Product Information, Current Applications.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for cyromazine is being conducted via this document (see Next Steps). Note that Canadian MRLs for cyromazine are currently established for celery, leaf lettuce and spinach at 10 ppm and for head lettuce at 4.0 ppm, with head lettuce proposed for revision to10 ppm. In addition, this action proposes MRLs of 10 ppm for the remaining Crop Group 4 leafy vegetable commodities.

The proposed MRLs for cyromazine in Canada in or on food, to revise or be added to those already legally established, are as follows.

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[1] The relevant report can be accessed by selecting the Programs and Special Actions/Minor Use Historical tab and opening the Evaluation Report found under Application Number 2006-4585.

Table 1 Proposed Maximum Residue Limits for Cyromazine

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Cyromazine	*N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine, including the metabolite 1,3,5-triazine-2,4,6-triamine	35	Leafy *Brassica* greens (Crop Subgroup 5B)
		10	Amaranth, arugula, cardoon, celtuce, Chinese celery, corn salad, dandelion leaves, dock, edible leaved chrysanthemum, endives, fresh chervil leaves, fresh Florence fennel leaves and stalks, fresh parsley leaves, garden cress, garden purslane, garland chrysanthemum, head lettuce,* New Zealand spinach, orach leaves, radicchio, rhubarb, Swiss chard, upland cress, vine spinach, winter purslane

* The proposed MRL for head lettuce is to replace the established MRL of 4.0 ppm.

MRLs for the listed crop subgroup are proposed for each commodity included in the group in accordance with Appendix I.

A complete list of all MRLs established in Canada can be found on the PMRA's MRL webpage.

International Situation and Trade Implications

MRLs may vary from one country to another for a number of reasons, including differences in pesticide use patterns and the locations of the field crop trials used to generate residue chemistry data. As per Table 2, the proposed MRLs in Canada differ from the corresponding tolerances established in the United States (tolerances listed in 40 CFR Part 180 by pesticide) and from the only commodity covered by this action with a Codex[2] MRL (Codex MRLs searchable by pesticide or commodity).

[2] Codex is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL	American Tolerance	Codex MRL
Leafy *Brassica* greens (Crop Subgroup 5B)	35	10*	No Codex MRLs established
Crop Group 4 commodities in accordance with Table 1	10	7.0**	5.0 ppm (head lettuce only)

* Covered by the tolerance established on "Vegetable, brassica, leafy, group 5, except broccoli".

** Covered by the tolerance established on "Vegetable, leafy, except brassica, group 4".

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for cyromazine up to 75 days from the date of publication of this document. Please forward your comments to Publications (see contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for cyromazine and posting a corresponding Established Maximum Residue Limit (EMRL) document on the PMRA website.

Appendix I

Crop Groups: Numbers and Definitions

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
4	Leafy vegetables (except *Brassica* vegetables)	Amaranth Arugula Cardoon Celery Celtuce Chinese celery Corn salad Dandelion leaves Dock Edible leaved chrysanthemum Endives Fresh chervil leaves Fresh Florence fennel leaves and stalks Fresh parsley leaves Garden cress Garden purslane Garland chrysanthemum Head lettuce Leaf lettuce New Zealand spinach Orach leaves Radicchio Rhubarb Spinach Swiss chard Upland cress Vine spinach Winter purslane

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
5B	*Brassica* (cole) leafy vegetables Leafy *Brassica* greens subgroup	Bok choy Chinese cabbages Broccoli raab Collards Kale Mustard greens Mustard spinach Rape greens